



Mouse monoclonal antibody to human Cathepsin D [CP-D13]: IgG

Catalogue No.:	M-977-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Cathepsin D is an aspartyl protease expressed in all cells and has a role on the degradation of proteins in lysosomes. It is initially expressed as an inactive 52 kDa precursor and activated by proteolysis. This antibody detects both precursor and mature forms. It does not react with human cathepsins B, C, G and H and with bovine cathepsins D and B.
Replaced by:	M-1733-100
Batch No.:	See product label
Unit size:	100 μ g
Antigen:	Human liver Cathepsin D
Clone:	CP-D13
Other Names:	CTSD; CPSD;
Accession:	P07339 CATD_HUMAN
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 μ g/ml is recommended for WB. The predicted length of human cathepsin D is 412 aa. The predicted MW is 34 kDa (active) and 52 kDa (precursor). A concentration of 1.0-2.0 μ g/ml is recommended to detect cathepsin D in formalin fixed and paraffin embedded tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg Na ₃
Reconstitution:	Reconstitute in 1 ml of PBS (pH 7.4) to achieve an antibody concentration of 100 μ g/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4 $^{\circ}$ C (lyophilized formulations). After reconstitution, aliquot and store at -20 $^{\circ}$ C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

FOR RESEARCH USE ONLY